

WHAT IS CLAIMED IS:

1. A laminating apparatus for laminating a film on a record medium, comprising:

fixing means for fixing a film onto a front side of a record medium;

feed means for feeding the record medium to said fixing means;

film introducing means for directing the film to said fixing means;

conveying means for conveying toward a discharge port the record medium and the film which are fixed together by said fixing means;

a cutter disposed between said conveying means and said discharge port and adapted to cut the film; and

a control unit having a repeat mode in which said conveying means is stopped in a condition that a preceding record medium leaves said fixing means and said feed means is driven to feed a succeeding record medium toward said fixing means, and then said fixing means and said conveying means are driven again before a leading end of the succeeding record medium reaches said fixing means, while the succeeding record medium and the introduced film are fixed together as discharging the preceding record medium from said discharge port.

2. A laminating apparatus according to claim 1,

wherein, in the repeat mode, said control unit controls said cutter to cut the fixed preceding record medium and film in a conveying condition.

5 3. A laminating apparatus according to claim 1,
further comprising a first sensor for detecting the
record medium between said feed means and said fixing
means, wherein said control unit starts driving of said
fixing means and said conveying means when a
10 predetermined time period is elapsed after the leading
end of the record medium is detected by said first
sensor, and stops the driving of said fixing means and
said conveying means when a predetermined time period
is elapsed after a trailing end of the record medium is
15 detected by said first sensor, to thereby achieve a
waiting condition.

 4. A laminating apparatus according to claim 1,
wherein said fixing means includes a pair of rollers
20 for pressurizing and heating the record medium and the
film, and one of said rollers is provided with a heat
source and can be shifted to be spaced apart from the
other roller; and, in the waiting condition, said one
of the rollers of said fixing means is spaced apart
25 from the other roller not to be contacted with the
film.

5. A laminating apparatus according to claim 3, wherein said fixing means includes a pair of rollers for pressurizing and heating the record medium and the film, and one of said rollers is provided with a heat source and can be shifted to be spaced apart from the other roller; and, in the waiting condition, said one of the rollers of said fixing means is spaced apart from the other roller not to be contacted with the film.

6. A laminating apparatus according to claim 1, wherein said control unit includes unit-of-sheet mode in which the record medium is fed by said feed means and the record medium and the introduced film are fixed together by said fixing means, and the fixed record medium and film are conveyed by said conveying means and cut by said cutter to be discharged from said discharge port.

7. A laminating apparatus according to claim 1, further comprising a second sensor disposed at a downstream side of said fixing means, wherein said second sensor has a first condition for detecting the fixed record medium and film portion, a second condition for detecting a film portion on which the record medium does not exist, and a third condition for detecting the fact that both the record medium and the

film do not exist.

8. A laminating apparatus according to claim 2,
further comprising a second sensor disposed at a
5 downstream side of said fixing means, wherein said
second sensor has a first condition for detecting the
fixed record medium and film portion, a second
condition for detecting a film portion on which the
record medium does not exist, and a third condition for
10 detecting the fact that both the record medium and the
film do not exist.

9. A laminating apparatus according to claim 3,
further comprising a second sensor disposed at a
15 downstream side of said fixing means, wherein said
second sensor has a first condition for detecting the
fixed record medium and film portion, a second
condition for detecting a film portion on which the
record medium does not exist, and a third condition for
20 detecting the fact that both the record medium and the
film do not exist.

10. A laminating apparatus according to claim 4,
further comprising a second sensor disposed at a
25 downstream side of said fixing means, wherein said
second sensor has a first condition for detecting the
fixed record medium and film portion, a second

condition for detecting a film portion on which the record medium does not exist, and a third condition for detecting the fact that both the record medium and the film do not exist.

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11. A method for manufacturing a laminated article, comprising:

a first feeding step for feeding a record medium to fixing means into which a film is introduced;

10 a fixing step for heating and pressurizing the film against a recorded image side of the record medium by said fixing means and for conveying the film until a trailing end of the film leaves said fixing means;

15 a waiting step for stopping conveyance of the fixed record medium and film in a condition that a trailing end of the fixed record medium and film leaves said fixing means to be waited there;

a second feeding step for feeding a next record medium in the waiting condition; and

20 a discharging step for fixing the next record medium by said fixing means, for conveying the fixed record medium and film in the waiting condition and for cutting a rolled film and discharging it in a conveying condition.

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12. A method according to claim 11, wherein the film has a base material and a latex layer formed on

the base material, and further comprises a peeling step for peeling the base material from the fixed latex layer after said discharging step in a condition that the latex layer is fixed to the record medium.

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13. An image forming apparatus comprising:

a recording apparatus for recording an image on a record medium by using a recording head; and

10 a laminating apparatus for laminating a film onto the record medium on which the image was recorded by said recording apparatus,

said laminating apparatus including,

15 a record medium supply portion to which the record medium discharged from said recording apparatus is supplied,

fixing means for fixing the film onto a front surface of the record medium,

feed means for feeding the record medium to said fixing means,

20 film introducing means for directing the film to said fixing means,

conveying means for conveying the record medium and the film which are fixed together by said fixing means toward a discharge port,

25 a cutter disposed between said conveying means and said discharge port and adapted to cut the film, and

a control unit having a repeat mode in which said

conveying means is stopped in a condition that a
preceding record medium leaves said fixing means, said
feed means is driven to feed a succeeding record medium
toward said fixing means, and said fixing means and
5 said conveying means are driven again before a leading
end of the succeeding record medium reaches said fixing
means, so that the succeeding record medium and the
introduced film are fixed together while discharging
the preceding record medium from said discharge port.

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14. An image forming apparatus according to claim
13, wherein said recording apparatus is an ink jet
recording apparatus.